UTAH
EMERGENCY
DEPARTMENT
ENCOUNTER
DATABASE

2003
PUBLIC-USE DATA FILE

USER MANUAL

Version I
February 2005

UTAH DEPARTMENT OF HEALTH

Joint Release by

TABLE OF CONTENTS

Page

INTRODUCTION

Utah Emergency Department Encounter Database
Administrative Rule R426-1-7 (I) mandates all Utah licensed hospitals to report information on emergency department patient encounters. The rule defines the data elements which hospitals are required to submit to the Bureau of Emergency Medical Services under statute and administrative rules specifically for the purpose of constructing a statewide Emergency Department Encounter Database. The database contains the consolidated information on complete billing, medical codes, personal characteristics describing a patient, services received, and charges billed for each patient emergency department (ED) encounter. The ED Encounter Public Data Set includes the combined data on all ED outpatient visits and ED inpatient admissions. A new field Encounter Type with values of 'o' and 'I' has been added to the record layout starting in 1999. Caution should be used when comparing this data with previous years as they only included ED outpatient visits.

All forty-one eligible hospitals submitted data in every calendar quarter (3-month period) in 2003.

Public-Use Data Files (PDF)
Public-Use Data Files are designed to provide general health care information to a wide spectrum of users with minimal controls. The Director of the Bureau of Emergency Medical Services or the Director of the Office of Health Care Statistics can approve a request for a PDF without further review.

Two different public data files are available for 2003 Emergency Department Encounter Data (see page 4 for data elements and file descriptions).

Data Processing and Quality
<u>Data submission</u>: The Office of Health Care Statistics provides data element definitions to ensure all hospitals will report similar data. The Bureau of Emergency Medical Services/Office of Health care Statistics receives quarterly Emergency Department Encounter Data from hospitals in various formats and media. The data are converted into a standardized format.
<u>System Edits</u>: The data are validated through a process of automated editing and report verification. Each record is subjected to a series of edits that check for accuracy, consistency, completeness, and conformity with the definitions specified in the Utah Hospital Emergency Patient Encounter Data Submittal Manual. Records failing the edit check are returned to the data supplier for correction or comment.

<u>Hospital Reviews</u>: Each hospital is provided with a 35-day review period to validate the compiled data against their hospital records. Any inconsistencies discovered by the hospitals are reevaluated or corrected.

<u>Missing Values</u>: When dealing with unknown values, it is important to distinguish between <u>systematic</u> omission by hospitals, i.e., reporting exemption granted for particular data elements, coding problems that deemed the entire data from the hospital as unusable; and <u>non-systematic</u> omission, i.e., coding problems, invalid codes, etc. While systematic omission creates potential bias, non-systematic omission is assumed to occur randomly. The user is advised to examine missing values by hospitals for each data element to be used.

Patient Confidentiality
The Committee has taken considerable efforts to ensure that no individual patient could be identified from the PDF. Patient's age and payers are grouped. The data elements for the following specific conditions are concealed by coding them at the state level: (1) Utah zip codes where there are less than 30 ED encounters per year are coded as the county abbreviation, and out-of-state zip codes where there are less than 30 ED encounters are coded as the state abbreviation, (2) age groups, sex and zip code are encrypted as 66, E, and -6666, respectively, if the patient's Major Diagnosis Code (M.C.)is 25 "Human Immunodeficiency Virus Infection" or if the Diagnosis Related Group (DOG)is 433, 521-523 "Alcohol/Drug Abuse or Dependence".

Agreement to Protect Patient Confidentiality
The data collected by the Utah Department of Health may be used only for the purpose of health statistical reporting and analysis or as specified in the user's written request for the data. Any effort to determine the identity of any reported case or any attempt to link this data set with individually identifiable records is prohibited.

Uses of Emergency Department Data
The PDF includes data on charges and length of stay in hours (LOSH). Several factors affect the comparability of charge and LOSH across hospitals, such as case-mix and severity complexity, payer-mix, market areas and hospital ownership, affiliation or teaching status. Any analysis of charge or LOSH at the hospital level should consider the above factors.

Data Format
Fixed ASCII is the standard format for the public data file, on a CD-ROM. Requests for other formats, such as a SAS Dataset, will be considered.

Citation

Any statistical reporting or analysis based on the data shall cite the source as the following:

> *Utah Emergency Department Encounter Data (2003)*. Bureau of Emergency Medical Services/Office of Health Care Statistics. Utah Department of Health. Salt Lake City, Utah. 2005.

Redistribution

User shall not redistribute the Utah Emergency Department Encounter Data File in its original format. User shall not redistribute any data products derived from the file without written permission from the Bureau of Emergency Medical Services or Office of Health Care Statistics, Utah Department of Health.

FILE LAYOUT

RECORD LAYOUT OF EMERGENCY DEPARTMENT ENCOUNTER
PUBLIC USE DATA FILE I (2003.1)

	DATA ELEMENT	TYPE*	WIDTH	POSITION** From To	EXAMPLE VALUES	Pg
1	Provider identifier (hospital)	Char	3	1 - 3	101, 102, ...	8
2	Patient's age (in categories)	Num	3	4 - 6	0,1,...,21	9
3	Patient's gender	Char	1	7 - 7	M,F	9
4	Source of admission					
	Non-newborns	Char	1	8 - 8	0,1,...	9
	Newborns	Char	1	9 - 9	0,1,...	10
5	Length of stay in hours	Num	8	10 - 17	0,1,...	10
6	Patient's discharge status	Char	2	18 - 19	01,02,...	10
7	Patient's postal zip code	Char	5	20 - 24	84000, AZ	11
8	Patient's residential county	Num	3	25 - 27	1,2,...	13
9	Patient cross-county migration	Char	1	28 - 28	Y,N	13
10	Patient's marital status	Char	1	29 - 29	S,M,...	13
11	Patient's race and ethnicity	Char	2	30 - 31	W,WH,...	14
12	Principal diagnosis code	Char	5	32 - 36	8180,81513	14
13	Secondary diagnosis code 1	Char	5	37 - 41	8180,81513	14
14	Secondary diagnosis code 2	Char	5	42 - 46	8180,81513	14
15	Secondary diagnosis code 3	Char	5	47 - 51	8180,81513	14
16	Secondary diagnosis code 4	Char	5	52 - 56	8180,81513	14
17	Principal procedure	Char	4	57 - 60	480,9711	14
18	Secondary procedure 1	Char	4	61 - 64	480,9711	14
19	Secondary procedure 2	Char	4	65 - 68	480,9711	14
20	External cause code (E-code)	Char	5	69 - 73	E8119	18
21	Admission hour	Num	2	74 - 75	00,01,...	18
22	Total charge	Num	10	76 - 85	498.68	15
23	Emergency Department charge	Num	10	86 - 95	498.68	15
24	Primary payer category	Char	2	96 - 97	01,02,...	15
25	Secondary payer category	Char	2	98 - 99	01,02,...	15
26	Third payer category	Char	2	100 - 101	01,02,...	16
27	Patient's relationship to insured	Num	3	102 - 104	1,2,...	16
28	Outlier, total charge	Num	3	105 - 107	0,1	16
29	Outlier, length of stay in hours	Num	3	108 - 110	0,1	16
30	Encounter quarter	Char	1	111 - 111	1,2,3,4	16
31	< blank >		8	112 - 119		
32	Secondary diagnosis code 5	Char	5	120 - 124	8180,81513	14
33	Secondary diagnosis code 6	Char	5	125 - 129	8180,81513	14
34	Secondary diagnosis code 7	Char	5	130 - 134	8180,81513	14
35	Secondary diagnosis code 8	Char	5	135 - 139	8180,81513	14
36	Secondary procedure code 3	Char	4	140 - 143	480,9711	14
37	Secondary procedure code 4	Char	4	144 - 147	480,9711	14
38	Secondary procedure code 5	Char	4	148 - 151	480,9711	14
39	Major diagnostic category (MDC)	Num	2	152 - 153	0,1,...	15
40	Principal diagnostic category	Num	3	154 - 156	0,1,...	17
41	Encounter Type	Char	1	157 - 157	o,i	17
42	Record ID number	Num	10	158 - 158	2300216719	**17**

*Variable Type (if data requested is SAS Dataset): Char=Character, Num=Numeric
**Column position (if data requested is ASCII file)

RECORD LAYOUT OF EMERGENCY DEPARTMENT ENCOUNTER PUBLIC USE DATA FILE III (2003.3)

	DATA ELEMENT	TYPE*	WIDTH	POSITION** From To	EXAMPLE VALUES	Pg
1	Provider identifier (hospital)	Char	3	1 - 3	101, 102, ...	8
2	Patient's age (in categories)	Num	3	4 - 6	0,1,...,21	9
3	Patient's gender	Char	1	7 - 7	M,F	9
4	Length of stay in hours	Num	8	8 - 15	0,1,...	10
5	Patient's discharge status	Char	2	16 - 17	0,1,...	10
6	Patient's residential county	Num	3	18 - 20	1,2,...	13
7	Principal diagnosis code	Char	5	21 - 25	8180,81513	14
8	Principal procedure	Char	4	26 - 29	480,9711	14
9	Secondary procedure 1	Char	4	30 - 33	480,9711	14
10	Secondary procedure 2	Char	4	34 - 37	480,9711	14
11	External cause code (E-code)	Char	5	38 - 42	E8119	18
12	Admission hour	Num	2	43 - 44	00,01,...	18
13	Total charge	Num	10	45 - 54	498.68	15
14	Emergency Department charge	Num	10	55 - 64	498.68	15
15	Primary payer category	Char	2	65 - 66	01,02,..	15
16	< blank >		8	67 - 74		
17	Principal diagnostic category	Num	3	75 - 77	0,1,...	17
18	Encounter Type	Char	1	78 - 78	o,i	17
19	Record ID number	Num	10	79 - 88	2300216719	17

*Variable Type (if data requested is SAS Dataset): Char=Character, Num=Numeric
**Column position (if data requested is ASCII file)

DESCRIPTION

OF DATA ELEMENTS

Provider Identifier: (see Appendix A for hospital characteristics)
Hospital from which patient was released.

101 = BEAVER VALLEY HOSPITAL
102 = MILFORD VALLEY MEMORIAL HOSPITAL
103 = BRIGHAM CITY COMMUNITY HOSPITAL
104 = BEAR RIVER VALLEY HOSPITAL
105 = LOGAN REGIONAL HOSPITAL
106 = CASTLEVIEW HOSPITAL
107 = LAKEVIEW HOSPITAL
108 = DAVIS HOSPITAL & MEDICAL CENTER
109 = UINTAH BASIN MEDICAL CENTER
110 = GARFIELD MEMORIAL HOSPITAL AND CLINICS
111 = ALLEN MEMORIAL HOSPITAL
112 = VALLEY VIEW MEDICAL CENTER
113 = CENTRAL VALLEY MEDICAL CENTER
114 = KANE COUNTY HOSPITAL
115 = FILLMORE COMMUNITY MEDICAL CENTER
116 = DELTA COMMUNITY MEDICAL CENTER
117 = JORDAN VALLEY HOSPITAL
118 = ALTA VIEW HOSPITAL
119 = COTTONWOOD HOSPITAL MEDICAL CENTER
120 = SALT LAKE REGIONAL MEDICAL CENTER
121 = LDS HOSPITAL
122 = PRIMARY CHILDREN'S MEDICAL CENTER
124 = ST. MARK'S HOSPITAL
125 = UNIVERSITY OF UTAH HOSPITALS & CLINICS
126 = PIONEER VALLEY HOSPITAL
128 = SAN JUAN HOSPITAL
129 = GUNNISON VALLEY HOSPITAL
130 = SANPETE VALLEY HOSPITAL
132 = SEVIER VALLEY HOSPITAL
133 = MOUNTAIN WEST MEDICAL CENTER
134 = ASHLEY VALLEY MEDICAL CENTER
135 = OREM COMMUNITY HOSPITAL
136 = AMERICAN FORK HOSPITAL
137 = MOUNTAIN VIEW HOSPITAL
138 = UTAH VALLEY REGIONAL MEDICAL CENTER
139 = HEBER VALLEY MEDICAL CENTER
140 = DIXIE REGIONAL MEDICAL CENTER
141 = MCKAY-DEE HOSPITAL CENTER
142 = OGDEN REGIONAL MEDICAL CENTER
144 = TIMPANOGOS REGIONAL HOSPITAL
145 = CACHE VALLEY SPECIALTY HOSPITAL
307 = THE ORTHOPEDIC SPECIALTY HOSPITAL (ER-INP ONLY)

Patient's Age (as of last birthday) at the Date of Release

    0 = 1 - 28 days
    1 = 29 -365 days
    2 = 1 - 4 years
    3 = 5 - 9
    4 = 10 - 14
    5 = 15 - 17
    6 = 18 - 19
    7 = 20 - 24
    8 = 25 - 29
    9 = 30 - 34
    10 = 35 - 39
    11 = 40 - 44
    12 = 45 - 49
    13 = 50 - 54
    14 = 55 - 59
    15 = 60 - 64
    16 = 65 - 69
    17 = 70 - 74
    18 = 75 - 79
    19 = 80 - 84
    20 = 85 - 89
    21 = 90 +
    66 = Encrypted (confidential data)
    99 = Unknown
    Blank = Not reported

Patient's Gender

    M = Male
    F = Female
    U = Unknown
    E = Encrypted (confidential data)
    Blank = Not reported

Source of Admission for Non-Newborns

    0 = Newborns

    1 = Physician Referral

        The patient was admitted to this facility upon the recommendation of his or her personal physician. (See code 3 if the physician has an HMO affiliation.)

    2 = Clinic Referral

        The patient was admitted to this facility upon recommendation of this facility's clinic physician.

    3 = HMO referral

        The patient was admitted to this facility upon the recommendation of a health maintenance organization (HMO) physician.

    4 = Transfer from a hospital

        The patient was admitted to this facility as a transfer from an acute care facility where he or she was an inpatient.

    5 = Transfer from a skilled nursing facility

        The patient was admitted to this facility as a transfer from a skilled nursing facility where he or she was an inpatient.

    6 = Transfer from another health care facility

        The patient was admitted to this facility as a transfer from a health care facility other than an acute care facility or skilled nursing facility.

    7 = Emergency Department

        The patient was admitted to this facility upon the recommendation of this facility's Emergency Department physician.

8 = Court/Law enforcement
> The patient was admitted to this facility upon the direction of a court of law, or upon the request of a law enforcement agency representative.

9 = Information not available
> The means by which the patient was admitted to this hospital is not known.

Blank = Not reported

Source of Admission for Newborns

0 = Non newborns

1 = Normal delivery
> A baby delivered without complications.

2 = Premature delivery
> A baby delivered with time or weight factors qualifying it for premature status.

3 = Sick baby
> A baby delivered with medical complications, other than those relating to premature status.

4 = Extramural birth
> A baby born in a non-sterile environment.

9 = Information not available.

Blank = Not reported

Length of Stay in hours

Total hours stayed in hospital from the hour of admission to the hour of release.

Blank = Not reported

Patient's Discharge Status

01 = Release to home or self care, routine release

02 = Released/transferred to another short-term general hospital

03 = Released/transferred to skilled nursing facility

04 = Released/transferred to an intermediate care facility

05 = Released/transferred to another type of institution

06 = Released/transferred to home under care of organized home health service organization

07 = Left against medical advice

08 = Released/transferred to home under care of a home IV provider

20 = Expired

40 = Expired at home

41 = Expired in a medial facility; i.e. hospital, skilled nursing facility, intermediate care facility, or free standing hospice

42 = Expired - place unknown

43 = Discharged to federal facility

50 = Discharged/transferred to hospice - home

51 = Discharged/transferred to hospice - medical facility

61 = Discharged/transferred within institution to hospital based medicare swing bed

62 = Discharged/transferred to another rehab facility including distinct part units in hospital

63 = Discharged/transferred to a long term care hospital

64 = Discharged/transferred to a nursing facility
        certified under medicaid but not certified under
        medicare
71 = Discharged/transferred/referred to another
        institution for outpatient (as per plan of care)
72 = Discharged/transferred to this institution
        for outpatient services(as per plan of care)
09 = Unknown
Blank = Not reported

Patient's Residential Postal Zip Code
84000-84799 = Zip codes in Utah
-4444 = Homeless (word homeless or homeless code of ZZZZZ given as   address)
-5555 = Unknown Utah (Unknown/invalid zip code with Utah address)
        (Note: If the city is present in the address but the zip code is not, the zip code variable is
        coded as -5555 while the county variable is coded with the actual county identifier)
-6666 = Encrypted (confidential data)
-8888 = Unknown (completely missing address information)
-9999 = Outside U.S.A. (foreign address)

Helpful Hint: A quick way to identify the city associated with a
zip code is to use the United States Postal Service website:
http://www.usps.gov/ncsc/lookups/lookup_ctystzip.html

If less than 30 encounters occurred for a Utah zip code area, this zip code was mapped into the
county code:
Beave = Beaver
BoxEl = Box Elder
Cache = Cache
Carbo = Carbon
Dagge = Daggett
Davis = Davis
Duche = Duchesne
Emery = Emery
Garfi = Garfield
Iron = Iron
Milla = Millard
Morga = Morgan
MulCo = Multi county
Piute = Piute
Rich = Rich
SaltL = Salt Lake
SanJu = San Juan
Sanpe = Sanpete
Sevie = Sevier
Summi = Summit
Tooel = Tooele
Uinta = Uintah
Washi = Washington
Wayne = Wayne
Weber = Weber

If less than 30 encounters occurred for a non-Utah zip code area, this zip code was mapped into the state code:

AL = ALABAMA
AK = ALASKA
AZ = ARIZONA
AR = ARKANSAS
CA = CALIFORNIA
CO = COLORADO
CT = CONNECTICUT
DE = DELAWARE
DC = DISTRICT OF COLUMBIA
FL = FLORIDA
GA = GEORGIA
HI = HAWAII
ID = IDAHO
IL = ILLINOIS
IN = INDIANA
IA = IOWA
KS = KANSAS
KY = KENTUCKY
LA = LOUISIANA
ME = MAINE
MD = MARYLAND
MA = MASSACHUSETTS
MI = MICHIGAN
MN = MINNESOTA
MS = MISSISSIPPI
MO = MISSOURI
MT = MONTANA
NE = NEBRASKA
NV = NEVADA
NH = NEW HAMPSHIRE
NJ = NEW JERSEY
NM = NEW MEXICO
NY = NEW YORK
NC = NORTH CAROLINA
ND = NORTH DAKOTA
OH = OHIO
OK = OKLAHOMA
OR = OREGON
PA = PENNSYLVANIA
RI = RHODE ISLAND
SC = SOUTH CAROLINA
SD = SOUTH DAKOTA
TN = TENNESSEE
TX = TEXAS
UT = UTAH
VT = VERMONT
VA = VIRGINIA
WA = WASHINGTON
WV = WEST VIRGINIA
WI = WISCONSIN
WY = WYOMING
PR = PUERTO RICO
GU = GUAM

Patient's Residential County

```
                        1= Box Elder
                        2= Cache
                        3= Rich
                        4= Morgan
                        5= Weber
                        6= Davis
                        7= Salt Lake
                        8= Summit
                        9= Tooele
                       10= Utah
                       11= Wasatch
                       12= Daggett
                       13= Duchesne
                       14= Uintah
                       15= Juab
                       16= Millard
                       18= Sanpete
                       17= Piute
                       19= Sevier
                       20= Wayne
                       21= Carbon
                       22= Emery
                       23= Grand
                       24= San Juan
                       25= Beaver
                       26= Garfield
                       27= Iron
                       28= Kane
                       29= Washington
                       30= Multi-County (used in earlier versions of Dataset--the
                           category has been eliminated)
                       44= Homeless (word homeless or homeless code of ZZZZZ given as
                           address)
                       55= Unknown Utah (unknown city & zip but Utah in address)
                       77= Outside Utah (but in U.S.A.)
                       88= Unknown (completely missing address information)
                       99= Outside U.S.A. (foreign address)
```

Patient's Cross-County Migrant Status (hospital in different county than
patient residence)
```
     Y = Yes (includes out-of-state, foreign, out-of-county, homeless)
     N = No (from same county)
     U = Unknown (includes unknown and unknown but Utah residence)
```

Patient's Marital Status
```
     S = Single
     M = Married
     X = Legally Separated
     D = Divorced
     W = Widowed
     U = Unknown
     P = Life Partner
     Blank = Not reported
```

Patient's Race and Ethnicity

```
W     =     White, non-Hispanic origin
WH    =     White, Hispanic origin
NW    =     Non-white, Hispanic origin
NH    =     Non-white, non-Hispanic origin
UK    =     Unknown
Blank    =       Not reported
```

Principal Diagnosis Code

> The first four digits of ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.
>
> There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM code but has been stripped out of data).
>
> Blank = Not reported
>
> ICD-9-CM E-Codes and V-Codes might also be found in this field.
>
> The ICD-9-CM diagnosis codes, as well as the E-Codes and V-Codes can be looked up on the Internet at Yaki Technologies' Website **www.eicd.com/eicdmain.htm.**

Secondary Diagnosis Code 1 ... Secondary Diagnosis Code 8

> Definition and category are the same as the Principal Diagnosis Code.

Principal Procedure Code

> The four digits of ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.
>
> There is an "implied" decimal point between the 2nd and 3rd digit (decimal point is part of ICD-9-CM code but has been stripped out of data).
>
> Blank = Not reported

Secondary Procedure Code 1 ... Secondary Procedure Code 5

> Definition and category are the same as Principal Procedure Code

Major Diagnosis Category (MDC)*
```
 0 = Ungroupable
 1 = Nervous System
 2 = Eye
 3 = Ear, Nose, Mouth & Throat
 4 = Respiratory System
 5 = Circulatory System
 6 = Digestive System
 7 = Hepatobiliary System & Pancreas
 8 = Musculoskeletal System & Connective Tissue
 9 = Skin, Subcutaneous Tissue & Breast
10 = Endocrine, Nutritional & Metabolic System
11 = Kidney & Urinary Tract
12 = Male Reproductive System
13 = Female Reproductive System
14 = Pregnancy, Childbirth & the Puerperium
15 = Newborn & Other Neonates (Perinatal Period)
16 = Blood and Blood-Forming Disorders
17 = Myeloproliferative DDs (Diff Neoplasms)
18 = Infectious and Parasitic DDs
19 = Mental Diseases and Disorders
20 = Alcohol/Drug Use or Induced Mental Disorders
21 = Injuries, Poisoning and Toxic Effect of Drugs
22 = Burns
23 = Factors Influencing Health Status
24 = Multiple Significant Trauma
25 = Human Immunodeficiency Virus Infection
```

*This is the traditional Health Care Financing Administration (HCFA) MDC

Total Charge
Total dollars and cents amount charged for the encounter (with 2 decimal digits).
```
     blank = Not reported
```

Emergency Department Charge
Sum of dollar and cent amounts charged for the encounter using the National Uniform Billing Committee's (NUBC) revenue codes 450 and 451 (with 2 decimal digits).
```
     blank = Not reported
```

Primary Payer Category
```
01 = Medicare
02 = Medicaid
03 = Other government
04 = Blue Cross/Blue Shield
05 = Other commercial
06 = Managed care
07 = Self pay
08 = Industrial and worker's compensation
09 = Charity/Unclassified
10 = Unknown
13 = CHIP (Children's Health Insurance Plan)
99 = Not reported
```

Secondary Payer Category Third Payer Category
Descriptions are the same as primary payer category.

Third Payer Category

Descriptions are the same as primary payer category.

Patient's Relationship to the First Insured Person

1 = Patient is the named insured
2 = Spouse
3 = Natural Child/insured has financial responsibility
4 = Natural Child/insured does not have financial responsibility
5 = Step Child
6 = Foster Child
7 = Ward of the Court (Patient is ward of the insured as a result of a court order.)
8 = Employee (The patient is employed by the named insured.)
9 = Unknown
10 = Handicapped Dependent (Dependent child whose coverage extends beyond normal termination age limits as a result of laws or agreements extending coverage.)
11 = Organ Donor (Code is used in cases where bill is submitted for care given to organ donor where such care is paid by the receiving patient's insurance coverage.)
12 = Cadaver Donor (Code is used where bill is submitted for procedures performed on a cadaver donor where such procedures are paid by the receiving patient's insurance coverage.)
13 = Grandchild
14 = Niece or Nephew
15 = Injured Plaintiff (Patient is claiming insurance as a result of injury covered by insured.)
16 = Sponsored Dependent (Individual not normally covered by insurance coverage but coverage has been specially arranged to include relationships such as grandparent or former spouse that would require further investigation by the payer.)
17 = Minor Dependent of a Minor Dependent (Code is used where patient is a minor and a dependent of another minor who in turn is a dependent, although not a child, of the insured.)
18 = Parent
19 = Grandparent
20 = Life Partner
blank = Not reported

Outlier, Total Charge

0 = No
1 = Yes

NOTE: A charge is an outlier if it is above 2.5 standard deviations from the mean of facility charges. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

Outlier, Length of Stay in hours

0 = No
1 = Yes

NOTE: A length of stay is an outlier if it is above 2.5 standard deviations from the mean of the length of stay. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

Encounter Quarter

    1 = First Quarter (January 1 to March 31)
    2 = Second Quarter (April 1 to June 30)
    3 = Third Quarter (July 1 to September 30)
    4 = Fourth Quarter (October 1 to December 31)

Record ID Number

    A unique number for each encounter, which is also unique
    across all years that ED data are available.

Encounter Type

    o= ED Outpatient Visit
    i = ED Inpatient Admission

Principal Diagnostic Category

Principal Diagnostic Category	ICD-9 Range
1 = Diabetes	250.0-250.9
2 = Otitis media and Eustachian tube disorders	381-382
3 = Heart dis. excl. ischemic	391-392.0,393-398,402,404,415,416,420-429
4 = Acute upper respiratory inf., excl. pharyngitis	460-461,463-466
5 = Acute pharyngitis	462
6 = Pneumonia	480-486
7 = Chronic and unspecified bronchitis	490-491
8 = Asthma	493
9 = Noninfectious enteritis and colitis	555-558
10 = Urinary tract infection, site not specified	599.0
11 = Dorsopathies	720-724
12 = Rheumatism, excluding back	725-729
13 = Convulsions	780.3
14 = Headache and migraine	784.0,346.90
15 = Chest pain	786.5
16 = Abdominal pain	789.0
17 = Fractures, excluding lower limb	800-819
18 = Fracture of lower limb	820-829
19 = Sprains and strains, excluding ankle and back	840-844,845.1,848
20 = Sprains and strains of ankle	845.0
21 = Sprains and strains of back	846-847
22 = Open wound of head	870-873
23 = Open wound, excluding head	874-897
24 = Superficial injury	910-919
25 = Contusion with intact skin surface	920-924
99 = All other	

E-Code

Supplementary classification of External Causes of Injury and Poisoning. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM E-code but has been stripped out of data).

Blank = Not reported

The ICD-9-CM E-codes can be looked up on the Internet at Yaki Technologies' Website **www.eicd.com/eicdmain.htm**.

Admission Hour

The hour during which the patient arrived at the Emergency Department (using the 24 hour clock format).

APPENDIX A

UTAH HOSPITAL
(WITH EMERGENCY DEPARTMENTS)
PROFILE

HOSPITAL CHARACTERISTICS: ED REPORT 2003

ID[1]	HOSPITAL NAME	OWN[2]	AFFILIATION	COUNTY	CITY	U/R[3]	TEACH[4]	# ED BEDS
111	Allen Memorial Hospital	G	Rural Health Mgmt	Grand	Moab	R	N	3
118	Alta View Hospital	N	IHC, Inc.	Salt Lake	Sandy	U	N	17
136	American Fork Hospital	N	IHC, Inc.	Utah	American Fork	U	N	11
134	Ashley Valley Medical Center	I	LifePoint Hospitals, Inc.	Uintah	Vernal	R	N	5
104	Bear River Valley Hospital	N	IHC, Inc.	Box Elder	Tremonton	R	N	3
101	Beaver Valley Hospital	G	Freestanding	Beaver	Beaver	R	N	2
103	Brigham City Community Hospital	I	MountainStar Healthcare	Box Elder	Brigham City	R	N	5
145	Cache Valley Specialty Hospital	I	National Surgical Hospitals	Cache	North Logan	R	N	2
106	Castleview Hospital	I	LifePoint Hospitals, Inc.	Carbon	Price	R	N	9
113	Central Valley Medical Center	N	Rural Health Mgmt	Juab	Nephi	R	N	2
119	Cottonwood Hospital Medical Center	N	IHC, Inc.	Salt Lake	Murray	U	N	18
108	Davis Hospital and Medical Center	I	IASIS Health Care	Davis	Layton	U	N	21
116	Delta Community Medical Center	N	IHC, Inc.	Millard	Delta	R	N	6
140	Dixie Regional Medical Center	N	IHC, Inc.	Washington	St. George	R	N	12
115	Fillmore Community Medical Center	N	IHC, Inc	Millard	Fillmore	R	N	3
110	Garfield Memorial Hospital	N	IHC, Inc.	Garfield	Panguitch	R	N	2
129	Gunnison Valley Hospital	G	Rural Health Mgmt	Sanpete	Gunnison	R	N	3
139	Heber Valley Medical Center	N	IHC, Inc.	Wasatch	Heber	R	N	5

ID[1]	HOSPITAL NAME	OWN[2]	AFFILIATION	COUNTY	CITY	U/R[3]	TEACH[4]	# ED BEDS
117	Jordan Valley Hospital	I	IASIS Health Care	Salt Lake	West Jordan	U	N	10
114	Kane County Hospital	G	Freestanding	Kane	Kanab	R	N	1
107	Lakeview Hospital	I	MountainStar Healthcare	Davis	Bountiful	U	N	11
121	LDS Hospital	N	IHC, Inc.	Salt Lake	Salt Lake City	U	Y	24
105	Logan Regional Hospital	N	IHC, Inc.	Cache	Logan	R	N	16
141	McKay-Dee Hospital	N	IHC, Inc.	Weber	Ogden	U	Y	23
102	Milford Valley Memorial Hospital	G	Rural Health Mgmt	Beaver	Milford	R	N	1
137	Mountain View Hospital	I	MountainStar Healthcare	Utah	Payson	U	N	11
133	Mountain West Medical Center	G	Community Health Syst.	Tooele	Tooele	R	N	8
142	Ogden Regional Medical Center	I	MountainStar Healthcare	Weber	Ogden	U	N	11
135	Orem Community Hospital	N	IHC, Inc.	Utah	Orem	U	N	9
126	Pioneer Valley Hospital	I	IASIS Health Care	Salt Lake	West Valley	U	Y	18
122	Primary Children's Medical Center	N	IHC, Inc.	Salt Lake	Salt Lake City	U	N	13
120	Salt Lake Regional Medical Center	I	IASIS Health Care	Salt Lake	Salt Lake City	U	Y	15
128	San Juan Hospital	G	Managed	San Juan	Monticello	R	N	6
130	Sanpete Valley Hospital	N	IHC, Inc.	Sanpete	Mt. Pleasant	R	N	3
132	Sevier Valley Hospital	N	IHC, Inc.	Sevier	Richfield	R	N	3
124	St. Mark's Hospital	I	MountainStar Healthcare	Salt Lake	Salt Lake City	U	Y	21
307	The Orthopedic Specialty Hospital[5]	I	IHC, Inc.	Salt Lake	Salt Lake City	U	N	0

ID[1]	HOSPITAL NAME	OWN[2]	AFFILIATION	COUNTY	CITY	U/R[3]	TEACH[4]	# ED BEDS
144	Timpanogos Regional Hospital	I	MountainStar Healthcare	Utah	Orem	U	N	6
109	Uintah Basin Medical Center	G	Freestanding	Duchesne	Roosevelt	R	N	7
125	University of Utah Hospital	G	Freestanding	Salt Lake	Salt Lake City	U	Y	14
138	Utah Valley Regional Medical Center	N	IHC, Inc.	Utah	Provo	U	N	20
112	Valley View Medical Center	N	IHC, Inc.	Iron	Cedar City	R	N	7

[1]Hospital ID number. See page 8 for hospital list in numerical order.
[2]Owner category: G=Government, N=Not for Profit, I=Investor-Owned.
[3]Urban or Rural location of hospital.
[4]Teaching hospital (Yes or No).
[5]The Orthopedic Specialty Hospital is only included with the ER-Inpatient admissions.

Note: The hospitals with addresses, phone numbers, and number of beds in the above list, can be obtained as a "cut and paste" document from the website **http://health.utah.gov/hda/usersupport.htm** and click on "List of data providers"

An alternative source for a list of Utah hospitals is the Utah Department of Health Website **http://health.utah.gov/licensing** and click on "Health Facilities".